

Title (en)

PROCESS FOR AUTOMATICALLY ADJUSTING THE pH OF AN AQUEOUS CLEANSING SOLUTION AND SOLID CLEANING AGENTS SUITABLE THEREFOR

Title (de)

VERFAHREN ZUR SELBSTTÄTIGEN VERLAGERUNG DES pH-WERTS EINER WÄSSRIGEN REINIGUNGSMITTELLÖSUNG UND DAFÜR GEEIGNETE FESTE REINIGUNGSMITTEL

Title (fr)

PROCEDE POUR AJUSTER AUTOMATIQUEMENT LE pH D'UNE SOLUTION DE NETTOYANT AQUEUSE ET DETERGENTS SOLIDES CONVENANT A CET EFFET

Publication

**EP 0891414 B1 20020213 (DE)**

Application

**EP 97914294 A 19970322**

Priority

- DE 19612866 A 19960330
- EP 9701470 W 19970322

Abstract (en)

[origin: WO9736984A1] The pH of an aqueous treatment solution is to be automatically adjusted from the acid to the alkaline. This is achieved in that the desired acid pH is set in an aqueous bath with the simultaneous or subsequent addition of an ammonia-generating and/or organic carboxylic acid-consuming enzyme and its substrate, whereupon the enzymatic reaction is allowed to continue until the desired final pH is attained.

IPC 1-7

**C11D 3/386**; **C11D 17/00**

IPC 8 full level

**C11D 3/20** (2006.01); **C11D 3/32** (2006.01); **C11D 3/386** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)

**C11D 3/2082** (2013.01); **C11D 3/323** (2013.01); **C11D 3/38636** (2013.01); **C11D 3/38654** (2013.01)

Cited by

US11655436B2; US11976255B2; US11377628B2; US11834628B2; US11214763B2; US12006488B2

Designated contracting state (EPC)

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